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OF  
BISHOP'S COLLEGE.

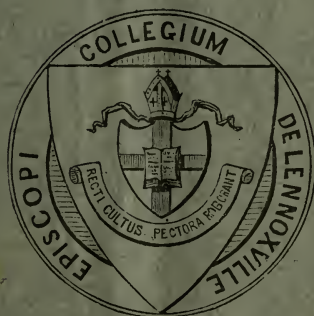
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SIXTH ANNUAL ANNOUNCEMENT  
OF THE  
FACULTY OF MEDICINE  
**MONTREAL.**

---

SESSION 1876-77.

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**Montreal :**  
PRINTED BY THE LOVELL PRINTING AND PUBLISHING COMPANY.

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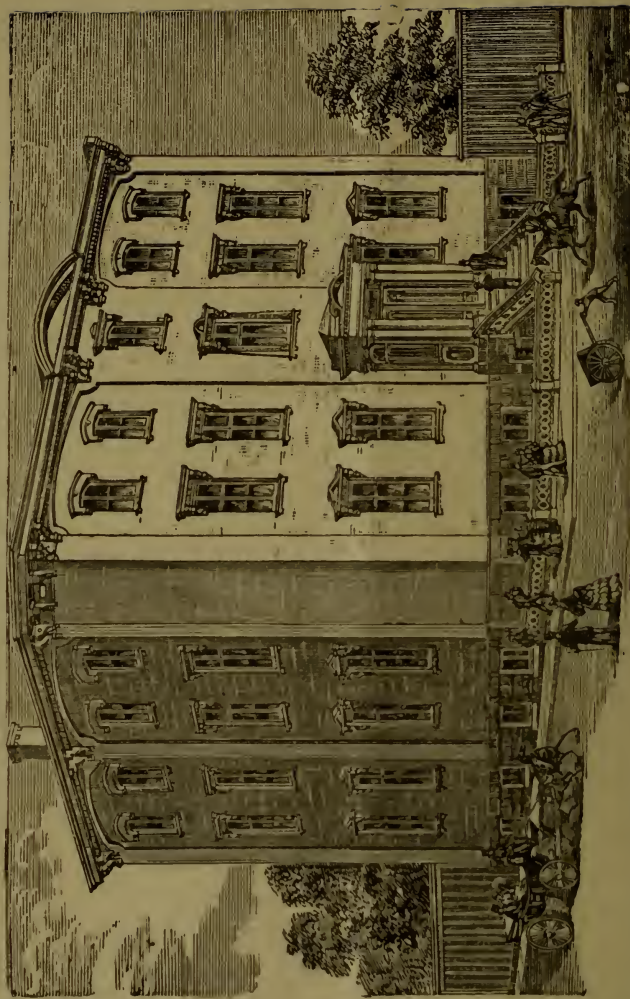
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UNIVERSITY OF BISHOP'S COLLEGE.



MEDICAL DEPARTMENT,  
(ONTARIO STREET, MONTREAL.)

UNIVERSITY  
OF  
BISHOP'S COLLEGE.

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*All communications relating to the Medical Department of this University should be directed either to the Dean of the Medical Faculty, DR. DAVID, 42 Beaver Hall Terrace, or to the Registrar, DR. F. W. CAMPBELL, 10 Phillips Place, Beaver Hall.*

*Students, on arriving in this city, should call upon either of the above gentlemen, when they will receive all necessary information.*

# CORPORATION

## OF THE

# UNIVERSITY OF BISHOP'S COLLEGE.

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**PRESIDENT OF THE CORPORATION AND VISITOR:**  
**THE RIGHT REV. THE LORD BISHOP OF QUEBEC.**

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**VICE-PRESIDENT OF THE CORPORATION AND VISITOR:**  
**THE MOST REV. THE LORD BISHOP OF MONTREAL, METROPOLITAN.**  
 Hon. G. IRVINE, D.C.L., M.P.P., Chancellor, R. W. HENECKER, D.C.L., Vice-Chancellor.

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B. T. MORRIS, Esq.....	Attorney.

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### OFFICERS OF THE COLLEGE.

The Rev. J. H. NICOLLS, D.D., Principal, and Professor of Classics.  
 The Rev. C. H. BADGLEY, M.A., Vice-Principal and Rector of Junior Department,  
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 The Rev. A. C. SCARTH, M.A., Professor of Ecclesiastical History.  
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 E. CHAPMAN, Esq., M.A., Bursar.  
 The Rev. R. C. TAMBS, M.A., Curator of Museum.

## Faculty of Medicine.

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- A. H. DAVID, M.D., Edin., L.R.C.S.E., D.C.L., DEAN, PROFESSOR OF THEORY AND PRACTICE OF MEDICINE, 42 *Beaver Hall Terrace*.
- J. L. LEPROHON, M.A., M.D., C.M., PROFESSOR OF HYGIENE, 237 *St. Antoine Street*.
- F. W. CAMPBELL, M.A., M.D., L.R.C.P. Lond., PROFESSOR OF PHYSIOLOGY, REGISTRAR, 10 *Phillips Place, Beaver Hall*.
- E. H. TRENHOLME, M.D., C.M., B.C.L., PROFESSOR OF MIDWIFERY AND DISEASES OF WOMEN AND CHILDREN, 32 *Beaver Hall Terrace*.
- J. B. EDWARDS, Ph.D., D.C.L., PROFESSOR OF PRACTICAL CHEMISTRY AND MICROSCOPY, *Beaver Hall Hill*.
- R. A. KENNEDY, M.A., M.D., C.M., PROFESSOR OF THE PRINCIPLES AND PRACTICE OF SURGERY, 105 *Bleury Street*.
- G. WILKINS, M.D., M.R.C.S., Eng. PROFESSOR OF PATHOLOGY AND LECTURER ON PRACTICAL PHYSIOLOGY, 165 *St. Antoine Street*.
- A. H. KOLLMYER, M.A., M.D., PROFESSOR OF MATERIA MEDICA AND THERAPEUTICS, 80 *St. Urbain Street*.
- G. B. SHAW, M.A., C.M., M.D., PROFESSOR OF CHEMISTRY, 32 *St. Radegonde Street*.
- J. PERRIGO, A.M., M.D., C.M., M.R.C.S., Eng., PROFESSOR OF MEDICAL JURISPRUDENCE, 591 *St. Catherine Street*.
- J. B. McCONNELL, M.A., M.D., C.M., PROFESSOR OF BOTANY AND ZOOLOGY, 157 *Bleury Street*.
- WM. FULLER, M.D., C.M., PROFESSOR OF ANATOMY, 531 *Wellington Street*.
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- G. F. SLACK, B.A., C.M., M.D., M.R.C.S., Eng., LECTURER ON MINOR SURGERY, 142 *St. Antoine Street*.
- ANDRE LATOUR, C.M., M.D., DEMONSTRATOR OF ANATOMY, *Chaboillez Square*.
- WOLFRED NELSON, C.M., M.D., ASSISTANT DEMONSTRATOR OF ANATOMY, 1 *St. James Place, Canning Street*.
- H. C. FULLER, CURATOR OF MUSEUM.

THE  
**Faculty of Medicine**  
OF THE  
**UNIVERSITY OF BISHOP'S COLLEGE**

Will open their sixth session, in Montreal, on Wednesday, the fourth day of October, 1876, with an introductory lecture by  
PROFESSOR LEPROHON.

With the exception of a short vacation at Christmas, the session will continue till the end of March next.

The rapidly increasing number of students attending this College shows that the practical method of teaching adopted by the Faculty is attended with the most complete success. The subjects taught and the methods of imparting information, are based upon the requirements of the British Colleges. Each department, where it is possible to illustrate practically, is furnished with the most modern and improved appliances. The College contains, amongst others, two large lecture rooms, with comfortable seats for the accommodation of the students, a museum, library, and laboratories, which last is fitted up with every modern convenience for practical chemistry and the study of microscopy. The dissecting room is large, airy, well ventilated and well lighted, both by day and night, affording students every opportunity for prosecuting their work with comfort and health. The physiological laboratory in connection with this College is furnished with the most important and improved scientific apparatus for physiological experimentation, and, at present, is the most complete in Canada.

Students who have attended this University, and completed their course of four years study, desirous of securing the diploma either of the Royal College of Surgeons, England, or the Royal College of Physicians, London, will not be required to attend further lectures, but may present themselves at any time for examination for either of these diplomas (provided they have sufficient hospital attendance), this College being recognized by both of these British Colleges.

## HOSPITAL PRACTICE.

Montreal is particularly rich in the facilities which it affords for hospital practice; the large number of factories and the enormous shipping furnishing a constant and varied supply of surgical cases.

The *Montreal General Hospital* (150 beds) is situated within a few minutes walk of the college, and is visited daily by three physicians besides an ophthalmic surgeon. It affords equal advantages to students of all Medical Colleges for obtaining a practical knowledge of every department of medicine and surgery. A new wing lately added to the institution, used as a Children's Hospital, will greatly assist students in the study of diseases of children. A special department for the treatment of diseases of the eye and ear under the care of a surgeon specially appointed for these diseases will give students facilities for their study. The large number of out patients averaging about fifty a day enables the physicians in attendance to impart instruction by selecting cases presenting variety of symptoms and points of comparison and contrast. Practice can be obtained in auscultation, the use of the laryngoscope, the ophthalmoscope and other means of physical diagnosis. Abundant opportunities are furnished for the study of diseases of women. Clinical instruction is given daily, and all operations performed in the presence of the students.

The *Women's Hospital* is also open to students who wish to attend cases of accouchment, or witness the treatment of diseases of women. The lying-in department offers abundant material for a thorough acquaintance with the art of obstetrics.

The *Montreal Dispensary*, with a staff of eight physicians and an oculist, has an average daily attendance of twenty-five patients. Being in close proximity to the manufacturing district of the city, it has a large number of minor accidents brought to it for attention, thus giving excellent opportunity for the practice of minor surgery—such as dressing wounds, bandaging, strapping, application of splints, &c. The student will have every facility afforded him for acquiring practical knowledge, by auscultation and percussion, of diseases of the chest, which forms a large proportion of the cases seen here. A very large number of cases of disease of the eye and ear are treated at this Institution, and students will be practically taught the use of the ophthalmoscope.

In practical pharmacy the student has great advantages; the dispensing is done entirely by students in attendance, under the supervision of the attending physicians. Many useful and practical hints in the compounding of drugs, as well as their doses, are thereby acquired. Clinical instruction will be given by several of the attending physicians on the more important cases which may present themselves.

The *Hôtel Dieu* and *St. Patrick's Hospital* (175 beds) are also within a few minutes walk of the college. They are visited daily at noon, and allow equal privileges to all students. A large amount of Surgery is also to be seen at this Hospital.

## MATRICULATION EXAMINATION.

*Examiners:* Rev. R. W. Norman, M.A., Oxon., and “officers of the college.”

The subjects of Examination will be the same as recommended by the Council for Medical Education and Registration of Great Britain, which are follows:—

**COMPULSORY SUBJECTS:** English language, including grammar and composition; Arithmetic, including vulgar and decimal fractions; Algebra, to simple equations inclusive; Euclid, books I and II; Latin translation and grammar.

**OPTIONAL SUBJECTS:** [Candidates can select any one of the following subjects,] Greek, French, German, and Natural Philosophy including Mechanics, Hydrostatics and Pneumatics.

Graduates in arts (not honorary) of recognized Universities, and matriculants in recognized colleges, are not required to submit to the matriculation examination.

The matriculation examination will be held in the first week in October and the last week in March. Fee for this examination four dollars.

## PROFESSIONAL EXAMINATIONS.

Each candidate is examined both in writing and *viva voce*—first on \* Botany or Zoology (which ever the candidate selects); secondly, on Anatomy, Physiology, Materia Medica, and Chemistry; thirdly, (final examination), on Practice of Medicine, Surgery, Pathology, Midwifery and Diseases of Women and Children, Medical Jurisprudence, and Hygiene.

Students are at liberty to present themselves for examination on the first of these subjects at the end of their first session.

Students who have passed their examination on the first division of these subjects may be admitted to examination on the second division at the end of their third year.

Students who have passed their examination on the second division of these subjects may be admitted to the final examination at the end of their fourth year.

Candidates may, if they choose, be admitted to the three examinations at the end of their fourth year.

\* A graduate in Arts is not required to pass the examination in Botany or Zoology.

## SUGGESTIONS TO STUDENTS.

The statutes of the University permit a student to present himself for graduation after three years attendance on lectures, provided he has previously studied one full year with a duly licensed practitioner. It is recommended, however, that the entire period of four years be devoted to attendance on lectures during Session, in which case students are advised to attend as follows (paying special attention to practical anatomy during the first two years) :—

### FOUR YEARS COURSE

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#### FIRST SESSION.

ANATOMY, PHYSIOLOGY, MATERIA MEDICA, CHEMISTRY, BOTANY  
AND ZOOLOGY, DISSECTIONS, HOSPITAL PRACTICE.

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#### SECOND SESSION.

ANATOMY, PHYSIOLOGY, MEDICINE, SURGERY, MIDWIFERY, AND  
DISEASES OF WOMEN AND CHILDREN, DISSECTIONS,  
HOSPITAL PRACTICE AND CLINICAL LECTURES.

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#### THIRD SESSION.

ANATOMY, PHYSIOLOGY, MATERIA MEDICA, CHEMISTRY,  
PRACTICAL CHEMISTRY, DISSECTIONS.

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#### FOURTH SESSION.

MEDICINE, SURGERY, PATHOLOGY, MIDWIFERY AND DISEASES OF  
WOMEN AND CHILDREN, MEDICAL JURISPRUDENCE,  
HYGIENE, HOSPITAL PRACTICE AND  
CLINICAL LECTURES.

Should a student have already studied one year with a licensed practitioner, and contemplate spending but three sessions at college, he is recommended to take the classes in the following order:—

### THREE YEARS COURSE.

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#### FIRST SESSION.

ANATOMY, PHYSIOLOGY, CHEMISTRY, MATERIA MEDICA, BOTANY  
AND ZOOLOGY, MIDWIFERY AND DISEASES OF WOMEN  
AND CHILDREN, SURGERY, DISSECTIONS,  
HOSPITAL PRACTICE.

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#### SECOND SESSION.

ANATOMY, PHYSIOLOGY, CHEMISTRY, MATERIA MEDICA,  
MEDICINE, PRACTICAL CHEMISTRY, DISSECTIONS,  
HOSPITAL PRACTICE, CLINICAL LECTURES.

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#### THIRD SESSION.

MEDICINE, SURGERY, PATHOLOGY, MIDWIFERY AND DISEASES  
OF WOMEN AND CHILDREN, MEDICAL JURISPRUDENCE,  
HYGIENE, HOSPITAL PRACTICE AND  
CLINICAL LECTURES.

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An *annus medicus* is constituted by at least two full courses of 120 lectures each, or by one such course, and two courses of 60 lectures each, with previous enregistration.

Students are required to enregister their names at the commencement of each session. The registration book of the College will be closed on the first day of December in each year.

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Students of this University, who do not reside in the city, on application to the Registrar, will be furnished with certificates, which, through the kindness of the Railway authorities, will entitle them to return tickets from Montreal at greatly reduced rates.

## PRIZES.

Prizes will be given at the close of the Session :—

- To the student who passes the best Final examination.
- To the student who passes the best Primary examination.
- To the best dissector in the Senior and Junior class.
- Professor's prize to the best student in Botany.

No prize will be awarded unless the student is placed in the first class in Honors in all the subjects of examination.

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TABLE OF FEES.

## LECTURES:

Principles and Practice of Medicine.....one course...	\$12 00
“ “ Surgery..... “	... 12 00
Midwifery and Diseases of Women and Children.....	“ ... 12 00
Anatomy.....	“ ... 12 00
Physiology.....	“ ... 12 00
Chemistry.....	“ ... 12 00
Materia Medica.....	“ ... 12 00
Medical Jurisprudence.....	“ ... 10 00
Pathology.....	“ ... 6 00
Hygiene ...	“ ... 6 00
Botany and Zoology.....	“ ... 5 00
PRACTICAL CHEMISTRY (exclusive of apparatus,) “	... 12 00
PRACTICAL ANATOMY (Dissections)..... “	... 5 00
MATRICULATION.....	2 00
DEGREES (C.M., M.D.).....	20 00
REGISTRATION.....	1 00

## HOSPITAL FEES:

Admission Ticket—Six months, \$8 00; Twelve months, \$12 00; Perpetual, \$20 00.

Clinical Lectures on Surgery .....	\$12 00
“ “ Medicine .....	12 00

Students are at liberty, after having paid for two full courses on any subject, to attend subsequent courses on the same subject free.

## LECTURES.

SESSION 1876-1877,

## PRINCIPLES AND PRACTICE OF MEDICINE.

BY

AARON H. DAVID, M.D., EDIN., L.R.C.S.E., D.C.L.

It is proposed in these Lectures to give a complete history of the most important constitutional affections, as well as of the diseases which attack the principal organs of the human body.

The distribution of the Course will have some reference to the different systems of organs, the diseases of which will be separately and fully described. Thus diseases of the respiratory, digestive, nervous organs, &c., will constitute distinct sections of the entire Course; and again, the different forms of fever, including the acute febrile diseases of specific character, will form a separate group.

**DIGESTIVE SYSTEM:** Diseases of the Mouth, Tongue, Salivary Glands, Pharynx, Œsophagus, Stomach, Intestines, Liver and Gall-bladder, Pancreas, Spleen. Cholera.

Mesenteric Glands, and Peritoneum. Worms.

**RESPIRATORY SYSTEM:** Diseases of the Larynx, Trachea, and Lungs.

**CIRCULATORY SYSTEM:** Diseases of the Heart, Arteries, and Veins.

**URINARY SYSTEM:** Diseases of the Kidneys and Bladder. Diabetes.

**FEVERS:** Exanthemata, &c.

**NERVOUS SYSTEM:** Diseases of the Brain, Spinal Cord and Nerves. Chorea. Epilepsy. Delirium Tremens. Hysteria. Hypochondriasis.

**GENERAL DISEASES:** Anæmia and Cholorosis. Leucocythæmia. Rheumatism. Gout. Scurvy. Dropsy.

**CUTANEOUS SYSTEM:** Diseases of the Skin and appendages.

Every day, except Saturday, at 2 P.M.

*Books recommended*—Flint, Watson, Woods, Aitken, Roberts.

# PRINCIPLES AND PRACTICE OF SURGERY.

BY

RICHARD A. KENNEDY, M.A., M.D., C.M.

This course of lectures will include the principles on which the science of Surgery is founded, and also the chief rules for its practice.

It will be divided into two parts, General and Special.

**General Surgery** embraces the following subjects:—

**INFLAMMATION.**—Suppuration, Abscess, Ulcers and Mortification.

**DISEASE AND INJURY.**—Wounds, Hæmorrhage, Bruises, Dislocation and Fractures.

**SHOCK.**—Tetanus, Traumatic Delirium, Erysipelas, Pyæmia and Poisoned Wounds.

Morbid growths, Tumours, Venereal disease.

**Special Surgery.** These Lectures will include the following: Diseases of Joints, special forms of Fractures and Dislocations, Hernia.

Diseases of Arteries, Veins, Nerves, &c.

Injuries of the Skull and Face, Compression and Concussion.

Diseases of Eye, Orbit, Mouth, Nose, Throat, &c.

Diseases of Urinary and Generative organs, Lithotomy, &c.

Operations will be performed on the dead body and the different forms of surgical apparatus will be shown and their uses explained.

Every day, except Saturday, at 4 P.M.

*Text Book*—Erichsen's Science and Art of Surgery.

*Books of Reference*—Holmes' System of Surgery, Miller, and Gross.

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## MINOR SURGERY.

BY

G. F. SLACK, B.A., C.M., M.D., M.R.C.S., ENG.

During the session practical demonstrations will be given in bandaging, application of apparatus for setting fractures, bleeding, vaccinating, &c., &c.

## PATHOLOGY AND MORBID ANATOMY.

BY

GEORGE WILKINS, M.D., M.R.C.S., Eng.

These lectures are designed to teach the general principles of Pathology, and their application to special morbid changes in the more important organs of the body.

In the lectures embracing the Morbid Anatomy of the various organs, PATHOLOGICAL HISTOLOGY will be specially dwelt upon, showing that the coarser alterations in size, consistency, colour, &c., are based upon changes in their structural elements.

To illustrate these lectures, a number of microscopes and microscopic preparations will be provided, so that during lecture each student may be supplied with one, and have practical demonstration of the subject treated upon.

Particular attention will be devoted to the Pathology of the following subjects :

**HYPERTROPHY—ATROPHY—REPAIR:** of wounds, fractures, &c.

The various forms of **DEGENERATIONS** and **INFILTRATIONS:** Fatty, Amyloid, Calcareous, and Pigmentary.

**INFLAMMATION—**of Mucous and Serous Membranes—of the Kidney, Liver, Lungs, &c.

**BLOOD POISONING:** Pyæmia, Septicæmia, Erysipelas, Carbuncle.

**TUBERCLE and TUBERCULOSIS—PHTHISIS.**

Scrofula,—Syphilis,—Gout and Rheumatism,—Hysteria.

**TUMOURS.**

Thrombosis—Embolism—Cancer.

The lectures will be illustrated by recent specimens and preparations from the museum, as well as by coloured plates and diagrams specially prepared for these lectures.

Every Tuesday and Thursday, at 5 P.M.

*Text-Book*—Green's Pathology and Morbid Anatomy.

*Books of Reference*—Pathological Histology by Rindfleisch. Surgical Pathology by Paget. Niemeyer's Text Book of Practical Medicine.

# MIDWIFERY AND THE DISEASES OF WOMEN AND CHILDREN.

BY

EDWARD H. TRENHOLME, M.D., C.M., B.C.L.

ANATOMY of Female Pelvis and Fœtal Head, and Organs of Generation.

SPECIAL PHYSIOLOGY of the FEMALE:—Menstruation; Generation; Pregnancy, its signs and management.

PARTURITION: I. NATURAL LABOUR; its general Phenomena; Mechanism of Labour; Management of Women during Natural Labour; the Puerperal State; Anæsthetics during Labour.

II. UNNATURAL LABOUR—From Causes retarding the Process of Labour.

- a. From Abnormal condition of expulsive force—Feeble, Irregular Uterine Action, &c.
- b. From Abnormal condition of the Uterus and Soft Parts, or of the Bony Pelvis, as in Rickets, Mollities Ossium, &c. Operations applicable to the above cases:—Application of the Forceps—Performance of Craniotomy—the Cæsarean Section—Induction of Premature labour.
- c. From Abnormal Condition of child—Excessive Size of the Child, Hydrocephalus, &c.; Malposition of the child—Plural Births—Monsters—Operation of Turning.

## III. COMPLEX LABOUR.

- a. Labours especially hazardous to the Mother:—Rupture of Uterus or Laceration of Vagina—Inversion of Uterus—Retention of Placenta—Uterine Hæmorrhage, either Accidental or Unavoidable—Puerperal Convulsions.
- b. Labours especially hazardous to the child: Prolapsus of the Cord.

DISEASES OF THE PUERPERAL STATE:—Puerperal Fever—Phlegmasia Dolens—Puerperal Mania.

DISEASES OF PREGNANCY:—Retroversion of the Uterus—Premature Expulsion of the Fœtus—Molar and Extra Uterine Pregnancy.

DISEASES OF THE UNIMPREGNATED STATE:—Disorder of the Menstrual Function—Diseases of the Uterus; of the Ovaries; of the Vagina and External Organs.

DISEASES OF CHILDREN:—Amount and Causes of Infantile Mortality—Peculiarities of Infantile Organization—General rules of the Investigation and Treatment of Infantile Disease.

Diseases peculiar to early Infancy and Childhood.

Every day, except Saturday, at 3 P.M.

*Books recommended*—Midwifery: Meadows, Leishman, Schroder. Diseases of Women: Thomas, Barnes. Diseases of Children: Smith, Meigs and Pepper, West.

# MEDICAL JURISPRUDENCE.

(including Toxicology and Psychology.)

JAS. PERRIGO, A.M., M.D., M.R.C.S., Eng.

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The purpose of these lectures is to bring, as far as possible, within a reasonable compass, the application of medical knowledge to medico-legal investigation.

Special attention will be devoted to—

MEDICAL EVIDENCE—Medical Mal-practice.

PERSONAL IDENTITY—Identity of the Living and Dead. Determination of Age and Sex from Skeleton.

REAL AND APPARENT DEATH—Sudden Death.

DEATH OR INJURY from Apnœa, from Hanging, Drowning, Suffocation and Strangulation.

DEATH OR INJURY from Starvation, Cold, Lightning, Heat and Sunstroke.

WOUNDS AND PERSONAL INJURIES—Homicidal, Suicidal and Accidental.

BURNS AND SCALDS.

PREGNANCY—Infanticide, Fœticide, Rape.

TOXICOLOGY—Classification of Poisons, General Evidence of Poisoning and Diseases liable to be confounded with effects of Poisons.

POISONS most COMMONLY in USE—Diagnosis, mode of detection, and treatment in each case.

LIFE INSURANCE.—Concealment of habits. Concealment of Disease.

PSYCHOLOGY.—Different forms of Insanity. Legal Relations.

PATHOLOGY AND TREATMENT.

Monday, Wednesday and Friday at 5 P.M.

*Text Books.*—Guy's Forensic Medicine; Taylor's Medical Jurisprudence; Blandford on Insanity.

*Books of Reference.*—Beck, Wharton and Stillé, and Casper on Medical Jurisprudence; Maudsley on Physiology and Pathology of the Mind. Winslow on Brain and Mind.

## HYGIENE; OR, STATE MEDICINE.

BY

JEAN LUKIN LEPROHON, M.A., M.D., C.M.

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The lectures on this subject, the importance and value of which is now universally admitted, are intended:—

To teach the application of Sanitary Science to questions concerning Public Health.

To afford rules for the conduct of the Medical Practitioner in Sanitary Inquiries.

To inculcate the use of suitable Hygienic Measures in the prevention and arrest of Contagious Diseases.

To confer such knowledge of the principle of State Medicine as it is desirable that every medical man should possess.

The following are some of the important subjects that will be treated:—

FOOD—Digestibility—Adulterations—Diseases connected with food.

WATER—The effects of impurities on public health.

VENTILATION—Quantity of air required, &c.

OFFENSIVE TRADES—Their management.

SEWERAGE—Influence on death-rate of cities.

MEDICAL STATISTICS.

PRISONS—REFORMATORIES.

PAUPERISM—CRIME—INSANITY.

The effect of CLIMATE on health.

Tuesdays and Thursdays, at 9 A.M.

*Books recommended*—*Traité d'Hygiène*, par M. Lévy; *Practical Hygiene*, by Parkes.

## DESCRIPTIVE AND SURGICAL ANATOMY.

BY

WILLIAM FULLER, M.D., C.M.

In the lectures of this course there will be exhibited the entire structure of the Human Body, arranged according to its various systems.

Reference will be made, as occasion offers, to Surgical Diseases, and the relative position of parts will be dwelt upon so as to embrace Regional Anatomy. The lectures will be illustrated by careful dissections, preparations, plates, &c., and will be delivered in the following order:

I.—OSSEOUS SYSTEM AND JOINTS.—This includes a description of the several bones composing the Skeleton, and of the Ligaments connecting them together so as to form Joints.

II.—MUSCULAR SYSTEM.—The attachment and function of Muscles, their action in regard to fractured bones, and their position as guides to Surgical operation, will be pointed out. In this part will also be given the Anatomy of the Perineum and of Inguinal and Femoral Hernia.

III.—VASCULAR SYSTEM.—Arteries and Veins. The relations of the Arteries and their more frequent peculiarities. Regional Anatomy will be described in this part of the course.

IV.—NERVOUS SYSTEM.—Comprising the Brain, Spinal Cord, Cerebro-Spinal Nerves and Sympathetic.

V.—VISCERAL SYSTEM.—The relative position of the different Viscera of the Thoracic, Abdominal, and Pelvic cavities will be explained and illustrated by sections made on the frozen subject.

Every day except Saturday, at 9 a. m.

*Books recommended*—Gray and Wilson.

## PRACTICAL ANATOMY.

*This Department is under the superintendence of the  
Professor of Anatomy.*

The Dissecting Room is open daily from 8 a.m., to 10 p.m., except on Saturday, when it is closed at 5 p.m.

Ample opportunities are afforded for dissecting, fresh subjects at fixed rates being provided by the Demonstrators, either one of whom will be in attendance from 4 to 6 and from 8 to 10 p.m., to direct and assist students in their dissections, and examine upon the work done in the room. The Dissecting Room is supplied with every requisite for the comfort and convenience of students, due regard being observed for sanitary measures. Every possible facility will be afforded the student in this most important department.

*Book recommended for use in the Dissecting Room*—Ellis' Demonstrations of Anatomy.

## PHYSIOLOGY.

BY

FRANCIS WAYLAND CAMPBELL, M.A., M.D., L.R.C.P. LOND.

These lectures will be devoted to the consideration of the structure, composition and properties of the several Fluids, Tissues, and Organs of the Body ; the natural changes through which they pass ; and the functions they discharge. The following subjects will be described :—

The Structural and Chemical Composition of the HUMAN BODY.

The Principal Elementary TISSUES: Epithelium, Areolar and Fibrous Tissues, Adipose Tissue, Cartilage, Bone.

Serous, Synovial, and Mucous MEMBRANES.

The BLOOD.

The CIRCULATION: the structure and functions of the Heart, Arteries, Capillaries, and Veins.

RESPIRATION: the Anatomy of the Lungs and Air-passages.

DIGESTION, with a description of the Mouth, Teeth, Salivary Glands, Stomach, Intestinal Canal, Pancreas, and Liver. FOOD.

ABSORPTION: Lymphatic Vessels and Glands; Lymph and Chyle—their relation to the Blood.

The Blood-elaborating GLANDS: the Spleen, Thyroid, Thymus, Renal Capsules, &c.

NUTRITION, and the consideration of ANIMAL HEAT, &c.

SECRETION: the Kidneys, the Mammary Gland, and other Glands not elsewhere described.

The SKIN and its Appendages.

MOTION: Cilia, Muscle.

The NERVOUS SYSTEM: the structure and functions of Nerves and Nerve-Centres, the Spinal Cord, Brain, &c.

The Physiology of the MIND. The SENSES. The VOICE and SPEECH. REPRODUCTION and DEVELOPMENT.

Every day except Saturday at 10 a.m.

*Books recommended*—Kirke, Dalton, Marshall, Carpenter.

## PRACTICAL PHYSIOLOGY.

BY

PROFESSOR WILKINS.

This course will embrace Experimental Physiology and Practical Histology.

**Experimental Physiology** will consist of a series of experiments on living animals demonstrating:—

**IRRITABILITY.**—Of Nerves, Muscles, Gland Cells, &c.

**INNERVATION.**—The conduction of Nerve-Energy; the nature of Nerve-Energy.

The following functions of various nerves :—**MOTOR, SECRETORY, TROPHIC, SENSORY**, excitant for **REFLEX** action, **INHIBITORY**.

**CIRCULATION.**—Functions of Vaso-Motor nerves. Movements of the Heart.

**RESPIRATION.**—Innervation of the respiratory movements.—Section of Vagi, &c.

**DIGESTION.**

These experiments will be illustrated by means of apparatus specially prepared for them in England, Germany and France, and will be of the same practical utility in teaching Physiology that Practical Anatomy and Chemistry are in teaching either Anatomy or Chemistry.

The experiments will be performed by Dr. Wilkins in the presence of his class. The animals to be used for demonstration will be frogs, rabbits, dogs, cats, pigeons, all of which will be rendered insensible before operating.

**Practical Histology** will embrace a description of the various tissues and organs of the body, the practical application of the different methods of hardening and softening, of staining and injecting the tissues for microscopical investigation, &c. Each student will be provided with a microscope and material for preparation, and shewn how to make sections, how to mount and preserve the specimens, &c.

Lectures will be delivered every Saturday during the session from four to six p.m. free to all matriculated students of this University.

## CHEMISTRY.

GEO. B. SHAW, M.A., C.M., M.D.

The subject of this course will be considered in the following manner:—

**PHYSICS**—Including Gravity, Light, Heat, Electricity, and **CHEMICAL PHILOSOPHY**. Instructions on these subjects will be given by experimental Lectures in the early part of the session.

**INORGANIC CHEMISTRY**—Comprising: (1.) The Laws of Chemical Combination. (2.) A description of the Physical and Chemical properties and the mode of preparation of the non-metallic elements of their compounds, illustrated by practical demonstrations. (3.) The Chemistry of the metals and of their most important compounds with tests for their detection, &c.

**ORGANIC CHEMISTRY**:—These Lectures will comprise the consideration of: (1.) The composition and relation of the best defined group of organic bodies and the laws regulating their formation. (2.) The application of the chemical principles to the arts and economic science. (3.) Medical Chemistry including Analysis and Toxicology.

Every afternoon, except Saturday, at 5 p.m.

*Books necessary*—Balfour Stewart's Science "Physics," Atfield's Chemistry, Wilson's "Inorganic Chemistry."

*Books recommended*—Miller's Elements of Chemistry.

## PRACTICAL CHEMISTRY.

J. BAKER EDWARDS, Ph.D., D.C.L.

This course will be given during January, February, and March—two days a week—and will comprise a course of:

**QUALITATIVE ANALYSIS**, with special reference to detection of poisons and adulterations; the nature and reactions of **HEALTHY** and **MORBID URINE**.

The Microscopical and Chemical Examination of **URINARY DEPOSITS** and **CALCULI**.

The Spectroscopic Examination of **BLOOD**, **METALLIC BASES**, &c. Demonstrations will be given on the use of the Microscope.

Students will provide themselves with a set of apparatus which has been selected by the Professor, and may be obtained for the sum of five dollars: also a note book.

Gentlemen who are not following other courses will be admitted to the Lectures and Laboratory on matriculation.

Wednesday and Saturday, from 3 to 5 p.m.

*Books necessary*—Chambers' "Practical Chemistry."

*Books recommended*—Carpenter on the Microscope; Lankester's Half Hours with the Microscope; Beale on the Microscope.

## MATERIA MEDICA AND THERAPEUTICS.

BY

ALEXANDER H. KOLLMYER, M.A., M.D.

The course of lectures will comprise a complete description of the history, preparation, manufacture, characteristic appearance, action on plants, the lower animals, and on man, together with the uses of all substances that are employed in medicine.

These subjects will be illustrated by plates, diagrams on the black-board, specimens, dried preparations, and the most complete cabinet of medicinal substances in Canada.

Experiments to detect impurities and adulterations, as well as to show the chemical reactions of each article, and carefully prepared microscopical preparations will be exhibited to the class.

The art of prescribing and writing prescriptions will receive particular attention.

Poisons will also be fully described—their modes of detection, as well as their appropriate antidotes.

Each substance will be considered with respect to

- 1.—Its nature—MATERIA MEDICA.
- 2.—Its preparation—PHARMACY.
- 3.—Its use and administration.—THERAPEUTICS.

These Medicaments will be arranged according to their origin from the Mineral, Vegetable or Animal Kingdom.

The Mineral Salts will generally be described under their respective basic elements, and the Vegetable substance according to a systematic arrangement founded on their chemical composition.

The concluding lectures will be devoted to the consideration of the products of FERMENTATION and DISTILLATION, such as Alcohols, Ethers, Chloroform, Chloral, Carbolic Acid, &c.

Every day, except Saturday, at 11 a.m.

*Books recommended*—Royle & Headland's *Materia Medica*; Garrod's *Materia Medica*; Pereira's *Manual*; Nelligan's *Medicines*; and the *United States Dispensatory*.

The museum containing substances described in the *Pharmacopœia*, and plates of officinal plants, will be open daily.

## BOTANY AND ZOOLOGY.

BY

J. B. McCONNELL, M.D., C.M.

## : BOTANY.

## Part I.—STRUCTURAL BOTANY.

## 1. Vegetable Histology.

2. *Organs of Nutrition.**Root, or descending axis*—character, forms, &c.*Stem, or ascending axis*—Exogenous, Endogenous and Acrogenous, internal structure, how to distinguish from roots, buds, &c.*Leaves*—Internal structure, Insertion and Phyllotaxis, vernation, venation, forms of leaves, simple and compound, &c.3. *Organs of Reproduction.**Flower*—its different parts and their modifications, &c.*Inflorescence*—the various kinds, definite and indefinite.*Fruit*—General character, structure, dehiscence, &c.*Ovule, Bud and Embryo*—their structure and development.

## Part II.—PHYSIOLOGICAL BOTANY.

Cell formation, Multiplication and growth, absorption and transmission of fluids, Osmose, Cyclosis, &amp;c.

*Physiology of the Organs of Nutrition.**Root*—Absorption, excretion, functions of the stem.*Leaves*—Transpiration, respiration, assimilation, development, &c.*Physiology of the Organs of Reproduction.**Reproduction of Phenogamous plants.*

Fertilization and development of the ovule, dacotyledons, germination, &amp;c.

Food of Plants and its sources, circulation of the sap, &amp;c.

Special Phenomena in the life of the plant.

## Part III.—SYSTEMATIC AND DESCRIPTIVE BOTANY.

The general principles of classification will be dwelt upon, and the natural and artificial systems compared with each other. Attention will be especially directed to those orders containing medicinal plants, indigenous and otherwise. The method of collecting, drying, mounting and determining plants will also be explained. The course throughout will be illustrated by plates, drawings, models, microscopical preparations and dried specimens.

## ZOOLOGY AND COMPARATIVE PHYSIOLOGY.

1.—*General Zoology*—Under this heading will be considered the Histology, Comparative Anatomy, and Physiology of Animals.

2.—*Descriptive Zoology*.—Including the principles of classification.

Every Monday, Wednesday, and Friday, at 3 p. m.

*Books recommended.*—Dr. Gray's Structural and Systematic Botany, Bentley's Manual of Botany, Balfour, Lacks. Dawson's Manual of Zoology, Nicholson's Zoology.

## STATUTES

OF THE

UNIVERSITY OF BISHOP'S COLLEGE,

RELATIVE TO THE GRADUATION IN MEDICINE AND SURGERY.

I. The medical degrees of this University are—Master of Surgery (C. M.) and Doctor in Medicine (M. D.). The degree of Master of Surgery is not conferred on any person who does not also at the same time obtain the degree of Doctor in Medicine.

II. The preliminary examination shall be upon the following branches of extra medical education, viz., English, Latin, Arithmetic, Algebra, Geometry and one of the following optional subjects, Natural Philosophy, Greek, French or German which examination each student will have to undergo prior to the commencement of his medical studies.

III. A degree in Arts, not being an honorary one of any recognized university or its equivalent, exempts from the preliminary examination.

IV. No one can be admitted for examination for the degrees of Master of Surgery and Doctor of Medicine who has not been engaged in medical and surgical study for four years; but a certificate of having studied one full year with a duly licensed practitioner, previous to taking his first session, will reduce the period of study at the University to three sessions.

V. At the commencement of every session each student must enrol his name and residence in the Register of the Medical Faculty, and obtain from the Registrar a ticket of Matriculation.

VI. The Matriculation Books of the Registrar shall be closed on the first day of December in each year.

VII. No student can obtain his ticket from any of the professors without having previously obtained his Matriculation ticket.

VIII. Every candidate for graduation in Medicine and Surgery must give sufficient evidence, by certificates—

1. That he has attended lectures on each of the following departments of medical science,—viz., of

Anatomy,  
Physiology,  
Chemistry,  
Materia Medica and Therapeutics,  
Theory and Practice of Medicine,  
Principles and Practices of Surgery,  
Midwifery and the Diseases of Women and Children,  
Hygiene or State Medicine,  
Medical Jurisprudence,  
Pathology,  
Botany and Zoology,  
Practical Chemistry and Microscopy,

} Two courses of six months each.

} One course of each.

2. That he has attended clinical lectures in Medicine and Surgery, of each two courses of three months.
3. That he has performed dissections during not less than two winter sessions.
4. That he has attended for at least twelve months the Medical and Surgical practice of a General Hospital approved of by this University.
5. That he has been engaged for at least *three* months in compounding and dispensing drugs at a hospital, a dispensary, or with a duly licensed practitioner.
6. That he has attended at least six cases of Midwifery, either in a lying-in-hospital or in private practice, under the supervision of a regular medical practitioner.

IX. Out of the four years of medical and surgical study required by Clause IV, one full course on each branch mentioned in Section 1, Clause VIII, must be attended in this University.

X. Courses of less length than the above (Clause VIII) will only be received for the time over which they have extended.

XI. Every candidate for the Degree must, on or before the first day of March, deliver to the Dean of the Medical Faculty—

1. A declaration in his own handwriting, that he has completed his twenty-first year of age or that he will have done so before the day of graduation.
2. A statement of his studies, accompanied with proper certificates.
3. A Thesis or Inaugural Dissertation, written by himself, either in the English or French language, on some subject connected with medical or surgical science.

XII. Every candidate shall be examined both in writing and *viva voce*. The examinations are divided into Primary and Final.

- a. The Primary, comprehending Anatomy, Chemistry, Practical Chemistry, Materia Medica, Physiology, and Botany or Zoology.
- b. The Final—Practice of Medicine, Surgery, Midwifery and Diseases of Women and Children, Medical Jurisprudence, Pathology, Hygiene, Clinical Medicine and Clinical Surgery.

XIII. Candidates may, if they choose, be admitted to examination on the Primary Branches at the end of the third year of their study. The Final Examination shall not take place until the candidate has completed his fourth year of study.

## REGULATIONS.

1st. The Session of each year will commence on the first Wednesday in October, and with the exception of a vacation at Christmas, will continue to the end of March.

2nd. Each Professor shall deliver five lectures a week, except those of Clinical Medicine, Clinical Surgery, Pathology, Hygiene, and Practical Chemistry, of which only two lectures a week will be required; Botany and Zoology, of which three lectures a week will be required; Medical Jurisprudence, if extending through six months, three lectures a week.

3rd. The courses of all the classes except those of Clinical Medicine, Clinical Surgery, Medical Jurisprudence, Hygiene, and Practical Chemistry, shall be of six months duration; Clinical Medicine, Clinical Surgery, Hygiene, and Practical Chemistry, shall be of three months duration each; Medical Jurisprudence, either of three months—in which case five lectures a week shall be delivered—or of six months duration; in which case only three lectures a week will be required.

4th. Each lecture shall be of one hour's duration.

5th. Written or oral examinations shall be held by each Professor once a week upon the subjects treated of in his preceding lectures, and every such examination shall be considered a lecture.

6th. Each Professor shall, at intervals, call a roll of the names of the students attending his class.

7th. Tickets, which have not a certificate of regular attendance shall be rejected when presented as testimonials, previous to examination, unless the omission be satisfactorily accounted for.

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## FEES.

1. The fee for the class of Medical Jurisprudence shall be \$10; Pathology and Hygiene, \$6 each; Botany and Zoology, \$5; Demonstrator of Anatomy, \$5; and that of all the other classes, \$12 each. The annual fee for Matriculation will be \$2. All fees must be paid in advance.

2. Any student having paid the fees, and attended two courses of lectures in any class, shall be entitled to a perpetual ticket for the same.

3. The fee for the degree of Master in Surgery and Doctor of Medicine shall be \$20, to be paid by successful candidates, together with the registration fee of \$1.

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## OATH.

Ego Doctoratus in Arte Medica titulo jam donandus, sancte coram Deo cordium scrutatore, spondeo, me in omni grati animi officio erga hanc Universitatem ad extremum vitæ halitum perseveraturum.

Tum porro Artem Medicam, caute, caste, probeque exercitaturum, et quoad potero, omnia ad ægrotorum corporum salutem conducentia cum fide procuraturum. Quæ, deniquè, inter medendum visa vel audita sileri conveniat, non sine gravi causa vulgaturum.

Ita præsens spondenti adsit Numen.

## SESSION 1875-76.

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The total number of matriculated students during the past session was thirty seven. Their names and addresses are as follows :—

Aubin William, Hochelaga.....Q.	King George Wesley, Winona.....O.
Bachand Leonidas C., St. Liboire.....Q.	Langevin Alphonse, St. Hyacinthe... Q.
Belle Charles Raphael, Montreal.....Q.	Liever Henry, Boston.....U.S.
Buchanan Walter, Montreal.....Q.	Mathieu Edmond, Montreal.....Q.
Cauley John Joseph, Norwich, Conn. U.S.	Meagher Hugh Alfred, Drummondville Q.
Comeau Edward D., River David.....Q.	Mitchell Homer Elihu, Bedford.....Q.
Cook George William, Hatley.....Q.	McDonald J. William Dugald, Nicolet. O.
Forte Roch, Hochelaga.....Q.	McSorley John, Jarvis.....Q.
Fournier Achille E., Longueuil.....Q.	Minkler Philo Ezekiel, Waterloo.....Q.
Fuller Herbert Cooper, Montreal.....Q.	Nelson G. Washington, Montreal.....Q.
Gaherty Denis, Montreal.....Q.	Sheridan Terence G., Quebec.....Q.
Gauthier Hector. St. Hyacinthe.....Q.	Sheridan John, Montreal.....Q.
Gernon Louis Olivier, St. Benoit.....Q.	Tremblay Evariste, Nicolet.....Q.
Gill Louis Henry M., Pierreville.....Q.	Tressider John Bothrell, Montreal.....Q.
Gravely Edward A., Cornwall.....O.	Trudeau Louis, Montreal.....Q.
Hood Peter, Montreal.....Q.	Wood Casey Albert, Ottawa.....O.
Hébert Louis Philippe, St. Hyacinthe. Q.	Young Lewis, Barton, Vermont.....U.S.
Keiley John, Montreal.....Q.	Young William, Montreal.....Q.
Kerry Anthony, Montreal.....Q.	

### EXAMINATIONS.

*Primary Examinations* :—The Examination in Botany and Zoology was held on Saturday March the 11th, and was passed by

D. Gaherty,                      H. E. Mitchell,                      J. J. Cauley,  
L. C. Bachand,                  C. E. D. Comeau,                  J. W. D. McDonald.

The Examinations in Anatomy, Physiology, Materia Medica and Chemistry were held on the 23rd and 24th days of March, and were passed by the following gentlemen :—

Casey A. Wood,                      Edward A. Gravely,  
Hugh A. Meagher,                  Charles Raphael Bello.

The Final Examination for the degree of C.M., M.D., was held on March 30 and 31, and was passed by Terence G. Sheridan.

### PRIZES.

Casey A. Wood. Prize for best Examination in Primary branches.

John J. Cauley, \$25 special prize for best student in Anatomy, descriptive and practical.

Hugh A. Meagher, Senior Dissector's prize.

Homer E. Mitchell, Junior Dissector's prize.

Messrs. H. A. Meagher and E. A. Gravely received Honorable small mention in their Primary Examination.

## STUDENTS WHO HAVE OBTAINED HONORS IN MEDICINE IN THIS UNIVERSITY.

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**AHERN (JOHN.)**

1872. Practical Anatomy, Hon'le Mention.

**CAULEY (JOHN J.)**

1876. Anatomy, Special Prize.

**COSTIGAN (ROBERT.)**

1872. Practical Anatomy, Junior Prize.

Physiology, Junior Prize.

1873. Physiology, Prize.

1874. Final Examination, Prize.

**COQUILLETTE (W. E.)**

1873. Practical Anatomy, Junior Prize.

**DAVIS (JOHN T.)**

1875. Primary Examination, Prize.

Final Examination, Prize.

**DUBUC (GODFROI.)**

1872. Practical Anatomy, Senior Prize.

Physiology, Senior Prize.

Primary Examination, Prize.

1873. Final Examination, Hon'ble Mention.

**GAHERTY (DENIS.)**

1876. Botany, Honorable Mention.

**GODFREY (ROBERT F.)**

1873. Practical Anatomy, Senior Prize.

Final Examination, Hon'le Mention

**GRAVELY (EDWARD A.)**

1876. Primary Examination, Honorable Mention.

**HART (DAVID A.)**

1876. Final Examination, Honorable Mention.

**HUNTER (WILLIAM M.)**

1874. Final Examination, Honorable Mention.

**LEMIEUX (ISRAEL.)**

1874. Final Examination, Hon'ble Mention.

**LATOUR (ANDRE.)**

1872. Final Examination, Prize.

**LAWRENCE (FREDERICK C.)**

1873. Final Examination, Honorable Mention.

**MEAGHER (HUGH A.)**

1876. Practical Anatomy, Senior Prize.

Primary Examination, Hon. Mention.

**MITCHELL HOMER E.)**

1876. Practical Anatomy, Junior Prize.

**PALMER (JOSEPH L.)**

1873. Practical Anatomy, Second Junior Prize.

**SPENCER (Richmond.)**

1872. Practical Anatomy, Honorable Mention.

**SHAW (GEORGE BEGG.)**

1873. Primary Examination, Prize.

Final Examination, Prize.

Physiology, Prize.

**VENNER (JOSEPH A.)**

1874. Final Examination, Honorable Mention.

**WOOD (CASEY A.)**

1876. Primary Examination, Prize.

**YOUNG (WILLIAM.)**

1875. Practical Anatomy, Junior Prize.

# NAMES AND ADDRESSES OF GRADUATES IN MEDICINE OF THIS UNIVERSITY.

1875.....	Benoit, Frederick.....	Montebello,	Q.
1872.....	Campbell, F. W., L.R.C.P. Lond. <i>ad eundem</i> .....	Montreal,	Q.
1874.....	Costigan, Robert.....	Indianapolis, Ind.,	U.S.
1872.....	Cunningham, Henry S.....	Indianapolis, Ind.,	U.S.
1872.....	David, A. H., L.R.C.S.E., <i>ad eundem</i> .....	Montreal,	Q.
1875.....	Davis, John T.....	Barbadoes, West Indies.	
1872.....	Desilets, Philip A.....	Three Rivers,	Q.
1873.....	Dubuc, Godfroi.....	Bedford,	Q.
1874.....	Duclos, E. A.....	Montreal,	Q.
1874.....	Eneas, Jeremiah.....	Cowansville,	Q.
1873.....	Fontaine, Isaac.....	St. Barnabie,	Q.
1875.....	Fuller, William, <i>ad eundem</i> .....	Montreal,	Q.
1872.....	Gardner, William, <i>ad eundem</i> .....	Montreal,	Q.
1872.....	Godfrey, Robert T., <i>ad eundem</i> .....	Montreal,	Q.
1873.....	Godfrey, Robert Frederick.....	Montreal,	Q.
1874.....	Hart, David A.....	Bedford,	Q.
1872.....	Hingston, Wm. H., L.R.C.S.E., <i>ad eundem</i> .....	Montreal,	Q.
1874.....	Hunter, William M.....	Aylmer,	Q.
1872.....	Kennedy, R. A., <i>ad eundem</i> .....	Montreal,	Q.
1873.....	Kollnyer, A. H., <i>ad eundem</i> .....	Montreal,	Q.
1874.....	Lafontaine' Charles.....	Chambly,	Q.
1872.....	Lanouette, Joseph E. A.....	Gentilly,	Q.
1872.....	Latour, André A.....	Montreal,	Q.
1873.....	Lawrence, Frederick Ch.....	Marbleton,	Q.
1874.....	Lemieux, Israel... ..	Ormstown,	Q.
1872.....	Leprohon, J. L., <i>ad eundem</i> .....	Montreal,	Q.
1873.....	MacDonald, William.....	Montreal,	Q.
1874.....	Mackay, Jno. M.....	St. Eustache,	Q.
1872.....	Nelson, Wolfred D. E.....	Montreal,	Q.
1873.....	Peltier, Gaspard U.....	St. Guillaume	Q.
1872.....	Perrigo, James, <i>ad eundem</i> .....	Montreal,	Q.
1875.....	Pidgeon, Joseph A.....	Quebec,	Q.
1873.....	Robillard, Edmond, <i>ad eundem</i> .....	Montreal	Q.
1874.....	Rose, Edward.....	St. Urbain,	Q.
1873.....	Shaw, George Begg.....	Montreal,	Q.
1876.....	Sheridan, Terence G.....	Quebec,	Q.
1874.....	Shee, Patrick Arthur.....	Quebec,	Q.
1873.....	Slack, George F., M.R.C.S. Eng., .....	Montreal,	Q.
1874.....	St. Germain, Valmore.....	St. Hyacinthe.	Q.
1872.....	Tabb, S. E., <i>ad eundem</i> .....	Sherbrooke,	Q.
1872.....	Trenholme, E. H., <i>ad eundem</i> .....	Montreal,	Q.
1874.....	Venner, Victor John A.....	Quebec,	Q.
1872.....	Webber, Richard N.....	Richmond,	Q.
1872.....	Wilkins, George, M.R.C.S. Eng., <i>ad eundem</i> .....	Montreal,	Q.

# EXAMINATION PAPERS.

SESSION 1874-1875.

## PRIMARY EXAMINATION.

### BOTANY.

SATURDAY, MARCH 11TH, 1876:—9 to 12 A.M.

*Examiner*,.....PROFESSOR J. B. McCONNELL, M.D., C.M.

1. Describe the different forms of Vascular Tissue, with their modes of formation.
2. Describe *Starch*, *Chlorophyll* and *Raphides*, with their modes of formation and uses.
3. Describe fully the structure of an *Exogenous* Stem, and state what is meant by *Indefinite*, *Definite* and *simultaneous* vascular bundles.
4. Describe the following modifications of the Stem with examples: *Corm*, *Bulb*, *Runner*, *Stolon*, and *Rhizome*, and distinguish between the latter and a root.
5. Describe the structures in the blade of a Leaf.
6. Explain the law of Phyllotaxis as applied to alternate leaves.
7. Explain the terms *Pinnatifid*, *Bipinnatifid*, *Tripinnatifid*, *Lirate*, *Cordate*, *Obovate* *Sagittate* and *Reniform*, as applied to leaves.
8. Describe the structure and functions of the *anther*, *pollen* and *nucleus* of the *Ovule*.
9. Explain fertilization in *Phænogams* and the formation of the embryo.
10. Give the *characters* of any exogenous order containing medicinal plants.
11. Explain the terms, *Androphore*, *Perianth*, *Septicidal*, *Whorl*, *Anatropous* and *Convolute*.
12. Describe the Specimens exhibited in relation to the forms of their leaves and the characters of their inflorescence, and refer them to their *series* and *class*.

## MATERIA MEDICA AND THERAPEUTICS.

THURSDAY, 23RD MARCH, 1876:—9 TO 11 A.M.

*Examiner*,.....PROFESSOR A. H. KOLLMYER, M.A., M.D.

1. Give (I) the composition, (II) the uses, and (III) the doses of the following preparations.

Pulv. Rhei. Co.	Pulv. Kino Co.
Pulv. Jalapœ Co.	Pulv. Scammon Co.
Pulv. Ipecac. Co.	Pulv. Cretæ Arom. cum Opiô.

2. Name (I) the source, (II) the adulterations, and (III) the active principle of Ipecacuanha.

3. Give (I) the different alkaloids obtained from Peruvian Bark, and (II) also their appropriate tests.

4. What is Ergot? and what are its chief actions?

5. Write a scientific prescription.\*

6. Give (I) the botanical name of Colocynth, (II) its habitat, (III) the part of the plant used in medicine, and (IV) state upon what principle its activity is supposed to depend.

## CHEMISTRY AND EXPERIMENTAL PHILOSOPHY.

THURSDAY, 23RD MARCH, 1876:—11 A.M. TO 1 P.M.

*Examiner*,.....PROFESSOR GEORGE BEGG SHAW, A.M., C.M., M.D.

1. How many pounds weight would it require to pull two Magdeburg Hemispheres apart, measuring 4 inches in diameter at a distance of 3.4 miles above the sea-level?

2. What amount of HCl will be required to neutralize 500 grammes Na.  $\frac{1}{2}$  C O<sub>3</sub>? What is the weight of the salt produced, and what volume of C O<sub>2</sub> will be given off?

3. How much KClO<sub>3</sub> will be required to produce 10 litres of Oxygen?

4. Give the distinguishing tests for the lower and higher salts of Hg and also for those of Fe.

5. What are Alcohols? Give examples, and shew the difference between them and Ethers, Aldehyds and Acids?

6. What are the tests for albuminous urine, and how would you proceed to use them?

\* N. B.—The prescription *must be original*, otherwise it *will not count* towards the examination

## ANATOMY.

THURSDAY, 23RD MARCH, 1876 :—3 TO 5 P.M.

*examiner*,.....PROFESSOR WILLIAM FULLER, M.D., C.M.

1. Describe the expansion of the central canal of the spinal cord to form the ventricular system of the brain, and give the boundaries and communications of the third ventricle.

2. What nerves enter the orbit? What nerves supply the ocular muscles respectively, and what nerves influence the iris?

3. Give the muscles of the palm and the external marks which indicate the position of the palmar arches.

4. Name the branches of the internal iliac artery; describe minutely the uterine artery in the female, the internal pudic in the male, and the arterial relations of direct and oblique inguinal and femoral hernia.

5. Describe the articulation of the hip joint, its ligaments, and the muscles in immediate relation to it in regular order.

6. If a horizontal section of the body be made on a level with the lower borders of the third costal cartilages and another at the upper border of the zyphoid cartilage, what regions of the body are included? State what parts are divided in each section according to their relations: about how much of each organ is included between the sections which ribs mark the elevation of the diaphragm on each side, and what point you would select to puncture the chest.

## PHYSIOLOGY.

THURSDAY, 23RD MARCH, 1876 :—8 TO 10 P.M.

*Examiner*,.....PROFESSOR FRANCIS W. CAMPBELL, M.A., M.D., L.R.C.P., LONDON.

1. Name and describe the properties of muscular tissue.

2. Mention the various mucous membranes and describe their situations.

3. Describe the general characters which belong to all varieties of mucus.

4. Give the situation, and minute anatomy of the kidney.

5. Describe a specimen of normal urine, giving its appearance, specific gravity and composition.

6. Name the teeth, and give the age at which they appear in first dentition; do the same as regards second dentition.

## PRACTICE OF MEDICINE.

## PRACTICE OF MEDICINE.

THURSDAY, 30TH MARCH, 1876 :—9 A.M. TO 11 A.M.

*Examiner*..... PROFESSOR A. H. DAVID, M.D., EDIN., L.R.C.S.E., D.C.L.

1. Describe what is the difference between a case of Typhus and Typhoid fever; how you can distinguish the one from the other, and their causes and treatment.
2. Explain the difference in the symptoms of Pneumonitis, Pleuritis and Bronchitis, and how we can distinguish them from each other.
3. What are the Physical signs of Pleuritis with effusion, and what is its treatment?
4. What are the causes of enlargement of the Liver? and state what other morbid conditions of this organ are commonly found after death.
5. What is the disease called Angina Pectoris? What are its symptoms, and how would you treat it?
6. Describe the different forms of Apoplexy, with the treatment of each.

## SURGERY.

THURSDAY, 30TH MARCH, 1876 :—2 P.M. TO 4 P.M.

*Examiner*..... PROFESSOR RICHARD A. KENNEDY, A.M., M.D., C.M.

1. Name and describe the dislocations of the hip-joint.
3. What is an Aneurism? Give the usual methods of treatment.
3. What are the common varieties of hernia? Give the symptoms of strangulation of the intestine.
4. Name some of the causes of retention of urine.
5. What are the symptoms of compression of the brain?
6. How would you excise a knee-joint?

## PATHOLOGY.

THURSDAY, 30TH MARCH, 1876:—11 TO 12 A.M.

*Examiner*,.....PROFESSOR G. WILKINS, M.D., M.R.C.S., Eng.

1. Describe Tubercle; its structure, origin, and the secondary changes which it undergoes, also the organs in which it is most frequently found.
  2. What is "Pigmentary degeneration"?
  3. Describe the Pathological Histology of Croup and Diphtheria.
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## MIDWIFERY AND DISEASES OF WOMEN AND CHILDREN.

THURSDAY, 30TH MARCH, 1876:—4 P.M., TO 6 P.M.

*Examiner*,.....PROFESSOR E. H. TRENHOLME, M.A., M.D., B.C.L.

1. What are the causes of retention of the placenta; what complications are apt to be induced thereby, and how would you treat such complications when present?
2. Still-birth. To what circumstances is it due; what treatment would you adopt in such cases?
3. Prolapsus of the Cord.—Enumerate the causes, and describe the various modes of treating this complication.
4. Fibro-cystic tumor of the uterus.—Give its diagnosis, pathology and treatment.
5. Extra uterine gestation, what do you understand by the term? How would you recognize and treat such a case?
6. Bronchitis.—Describe the characteristics of each variety of this disease in children, also with what other disease or diseases is it apt to be complicated? Give also its treatment.

## MEDICAL JURISPRUDENCE.

THURSDAY, 30TH MARCH, 1876:—8 TO 9.15 P.M.

*Examiner*,..... PROFESSOR JAMES PERRIGO, M.A., M.D., C.M., M.R.C.S., Eng.

1. What are the rules to guide you in giving evidence?
  2. What are the post-mortem appearances of death by starvation?
  3. Distinguish between wounds inflicted during life and after death.
  4. Describe the Hydrostatic test, the method of applying it, and the objections to it.
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## HYGIENE.

THURSDAY, 30TH MARCH, 1876:—12 TO 1 P.M.

*Examiner*,..... PROFESSOR JEAN L. LEPROHON, M.A., M.D. Eng.

1. What are the principal causes of the high death-rate prevailing in Montreal?
2. Should offensive trades be tolerated in cities? Suggest precautionary measures to be employed by public authorities.
3. Describe briefly the principal epidemics that have visited Canada since 1832, mentioning the number of months they lasted.
4. State the average amount of cubic feet that should be allowed for each person in dormitories of colleges and hospitals.

## DAY AND HOURS OF LECTURES.

	Mon.	Tues.	Wednes.	Thurs.	Friday.	Sat'day.
Anatomy .....	9	9	9	9	9	...
Hygiene .....	...	*9	...	*9	...	...
Physiology .....	10	10	10	10	10	...
Materia Medica.....	11	11	11	11	11	...
Hospital Practice .....	12	12	12	12	12	12
Practice of Medicine.....	2	2	2	2	2	...
Midwifery .....	3	3	3	3	3	...
Surgery .....	4	4	4	4	4	...
Practical Chemistry.....	...	...	*3	...	...	*3
Botany and Zoology.....	2	...	2	...	2	...
Medical Jurisprudence...	5	...	5	...	5	...
Pathology.....	...	5	...	5	...	...
Chemistry .....	5	5	5	5	5	...
Practical Physiology ....	...	...	...	...	...	4
Minor Surgery .....	...	...	...	...	...	3

\* These Lectures are delivered during the months of January, February-and March.

